

Feed Foreman

Feed Management Software



Feed Foreman

User Instructions

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Manual revision history

Current Issue	Date Created	Details of Changes
AA	August 2012	New manual

1 General information and warnings

1.1 About this manual

This manual is divided into chapters by the chapter number and the large text at the top of a page. Subsections are labeled as shown by the 1 and 1.1 headings shown above. The names of the chapter and the next subsection level appear at the top of alternating pages of the manual to remind you of where you are in the manual. The manual name and page numbers appear at the bottom of the pages.

1.1.1 Text conventions

Screen names are shown in **bold**. For example **Start Menu** screen.

Modes of operation will appear in ***bold italic*** type. For example ***Scale Mode***.

Screen labels and labels within screens appear in *italic* type and reflect the case of the displayed label.

1.1.2 Special messages

Examples of special messages you will see in this manual are defined below. The signal words have specific meanings to alert you to additional information or the relative level of hazard.



NOTE: This is a Note symbol. Notes give additional and important information, hints and tips that help you to use your product.



This is a Caution symbol.

Cautions give information about procedures that, if not observed, could result in damage to equipment or corruption to and loss of data.

1.2 Customer Service Information

24 hours a day 7 days a week Customer Support

Avery Weigh-Tronix is dedicated to customer service. We understand downtime is not an option for AG producers and we're ready to help anytime. The technical support team for all Avery Weigh-Tronix agri-business scales is available 24 hours a day 7 days a week.

Ag Technical Support Group

USA and Canada Toll free Phone: (800) 458 - 7062


Outside USA: (507) 238-8261

Tech Support Phone 7:00 am to 5:00 pm CST (800) 458-7062 Ext. 8261

Tech Support Phone/ after hours answering 5:00 pm to 7:00 am CST (800) 458-7062

Service e-mail: usservice@awtxglobal.com

1.3 Run Program Menu

Press the  key (On/Off) to turn on the indicator. The indicator is on when the red light above the [On/Off] key is lit. It is possible the **Run Program** menu will be displayed.

Press **Don't show this form again.** to stop the **Run Program** screen from being displayed on power up.

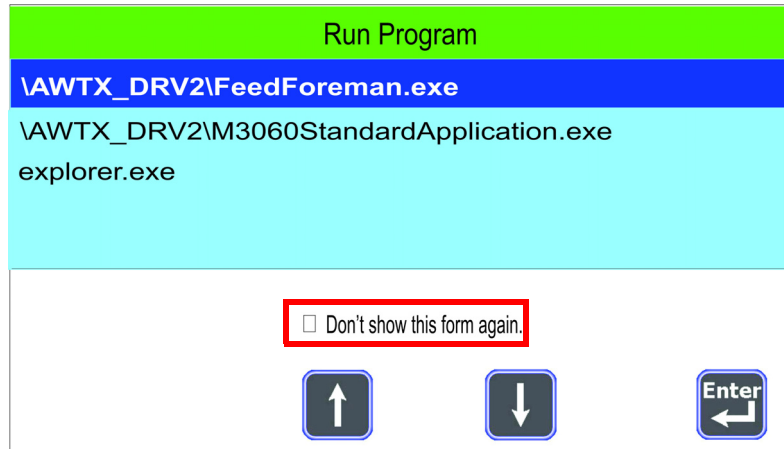




Figure 1.1 Run Program Screen

Choose one of the following applications:

- \\AWXT_DRV2\\FeedForeman.exe - Runs the Feed Foreman application.
 - \\AWXT_DRV2\\M3060StandardApplication.exe - Runs the standard Model 3060 application.
 - explorer.exe - Runs windows explorer
1. Select the application by touching the desired application. It should be highlighted in dark blue.
 2. For the Feed Foreman application, select \\AWTX_DRV2\\FeedForeman.exe.
 3. Press the  key to continue to the chosen application.

1.4 Start Menu

Press the  key (On/Off) to turn on the indicator. The indicator is on when the red light above the [On/Off] key is lit. The **Start Menu** screen will be displayed after initialization.

Choose one of the following applications.

- Feed Foreman
- Scale Mode

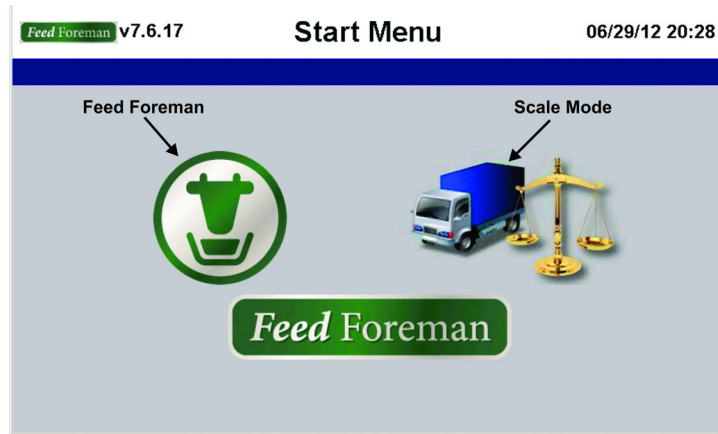



Figure 1.2 Start up Screen

1.4.1 Function Keys

The function keys **F1**, **F2**, **F3** located on the right side of the indicator overlay have different functions in specific applications. Refer to the display for the key functions.

The  key turns the scale on and off.

2 Scale Mode

The **Scale Mode** displays the weight along with a status bar which illustrates the percent of load added to the scale.

Press the  icon from the **Start Menu** screen to access the **Scale Mode**.

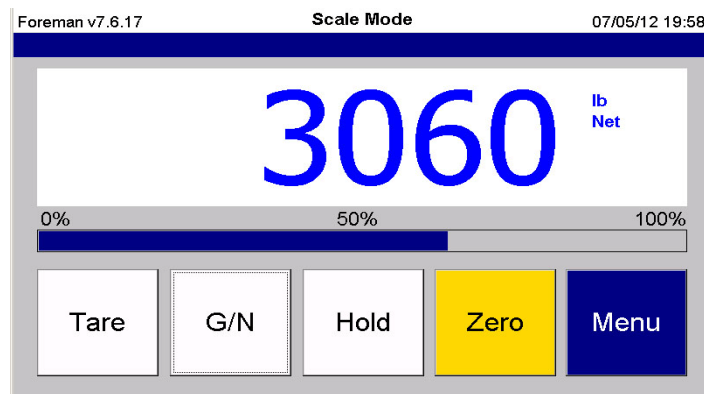


Figure 2.1 Example of Scale Mode Screen

2.1 Weight Display

The weight is displayed in large digits. All general scale functions are available in this mode.

Exit the weigh mode and return to the **Start Menu** by pressing the  button on the display.






2.1.1 Touch Keys

The touch keys below are located on the display. Simply touch the desired button on the display.



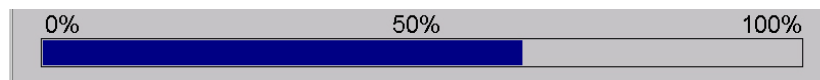
Figure 2.2 Scale Mode Touch Keys

Table 2.1 Touch Key Functions



Key	Description
	Press [TARE] alone to perform an auto-tare. (A net weight of zero is then displayed).
	Press [G/N] to choose between the Gross, Net or Tare mode.
	Press [Hold] to hold the current weight.
	Press [ZERO] to zero the current weight reading. A successful zero can only be set if the weight value is stable.
	Press [Menu] to exit the Scale Mode and return to the Start Menu.

2.1.2 Status Bar

The status bar shows the progress of the load in percent.



2.1.3 Hold Function

1. Hold the weight by pressing the  button on the display.
 - 1a. *Hold* will be displayed and the weight will not change even if more weight is added or removed.
2. Press the  button again to return to the displayed weight.

3 Feed Foreman Program

Feed Foreman is comprehensive feed ration management solution.

3.1 Modes of Operation

Four methods of batching are available:








- Premix
- Batch by Pen List
- Batch Load by Recipe
- Auto-sizing Batch Load














3.2 Screen Buttons

Several button icons on the display are used to perform different functions within the modes. Refer to [Table 3.1](#) for the icons used, what they are used for and the mode in which they are used.

Press and hold the button to learn it's function, release the button to select that function, slide off the button then release to not select that function.

Table 3.1 Feed Foreman Display Button Icons.

Button/Icon	Description	Modes/Menu
	Ingredient dry matter %	Adjust ingredient DM% View ingredient DM% history
	Access the Auto-sizing batch load	Mix menu
	Access the batch by pen list	Mix menu
	Access the batch load by recipe	Mix menu
	Access the batch premix load	Mix menu
	Start batch	Batch by pen list
	Pen head count history / adjusting pen head count	Adjust pen counts

Button/Icon	Description	Modes/Menu
	Drop advance	Batch premix drop Batch by pen list - dropping Batch pen drop
	Ingredient advance	Batch premix load - loading Batch by pen list - loading Batch load by recipe - loading Auto-sizing batch load - loading
	Mix timer advance	Batch premix load Batch by pen list Batch load by recipe Auto-sizing batch load
	Ingredient batch load	Batch load by recipe
	Back arrow - back up one screen	Batch premix load Batch by pen list Batch load by recipe Auto-sizing batch load
	Pause scale during loading process	Batch premix load Batch by pen list Batch load by recipe Auto-sizing batch load
	Access adjust pen head count mode	Adjustments menu
	Search for a specific pen number	Batch by pen list Adjust pen counts
	Forward arrow - advance one screen	Batch premix load Batch by pen list Batch load by recipe Auto-sizing batch load
	Access the adjustments menu	Mix menu Batch premix load Batch by pen list Batch load by recipe Auto-sizing batch load
	Access the mix menu	Batch premix load Batch by pen list Batch load by recipe Auto-sizing batch load Adjustments menu
	Return to the home screen	Batch premix load Batch by pen list Batch load by recipe Auto-sizing batch load Adjustments menu
	Select a pen	Batch load by recipe

3.3 Access the Feed Foreman Program

1. Access the program from the **Start Menu** by pressing the  icon.

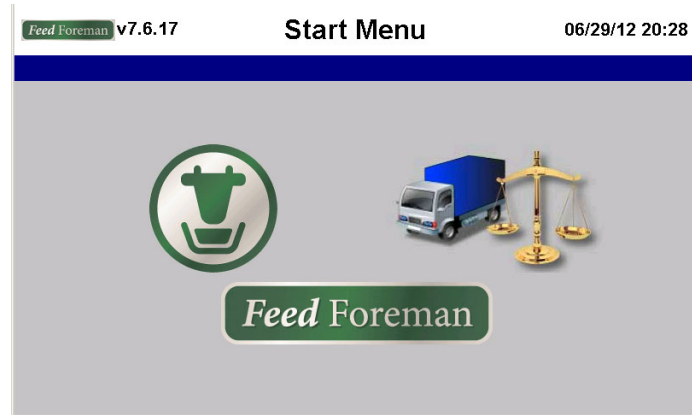


Figure 3.1 Start Menu Screen

2. The **Enter your Login Code** screen will be displayed. Enter your login code and press [Enter]. The preset default login code for Feed Foreman is 1. Customized login codes are available with the FeedWatch upgrade.

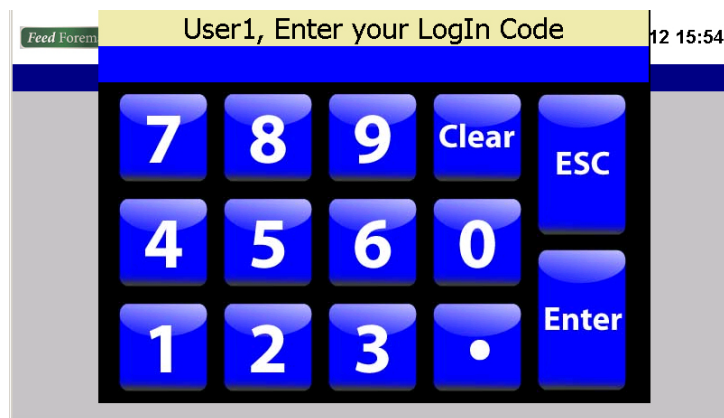


Figure 3.2 Enter Login Code Screen

- 2a. Press [Esc] to abort the entry and return to the **Start Menu** screen.

3.3.1 Home Screen

The **Home** screen offers system information and access to the available modes. The current software revision is located to the right of the Feed Foreman logo in the top left hand corner.

Feed Foreman 7.6.17		Home		06/28/12 17:45	
F1=User Status · F2= Equipment Status · F3= Log Off					
Company	FeedLinx				
Feed Setup	---				
Employee	User1 User1				
Equipment	Mixer1	Alias Equip	---		
Equip Type	Mobile	Alias Type	---		
Capacity	15000	Feed Adjust	DM/Head		
Last Sync	05/02/12 17:57	Pens Off	0		




Figure 3.3 Home Screen

F1 = User Status

The User Status screen provides information regarding pen, recipe and ingredient settings.

1. Press the **F1** key to view the **User Status** screen. These settings are preset in the Feed Foreman software and can only be customized if the software is upgraded to FeedWatch.

Foreman v7.6.17		User Status		06/28/12 17:48	
User1 User1 · F2=Equipment Status					
Pen On/Off	No	Recipe Alternate	No		
Pen Count Adjust	Yes	Load Ingredient Advance	Yes		
Period Amount Adjust	No	Mix Timer Advance	Yes		
Daily Amount Adjust	No	Drop Advance	Yes		
Dry Matter Adjust	Yes	Cleanup Ingredient Load	No		
Recipe Ingredient Swap	No	Cleanup Filler Load	No		
Ingredient Order Swap	No				




Figure 3.4 User Status Screen

F2 = Equipment Status

Press the **F2** key to access the **Equipment Status** screen. The equipment status values are set within the Feed Foreman PC software program. Refer to Chapter 3 of the Feed Foreman PC User Instruction manual for details on equipment settings.

Foreman v7.6.17

Equipment Status

06/28/12 17:51

Mixer1 / Mobile · F1=User Status

Minimum Recipe Load	1500	Ingredient Message Secs	15
Maximum Recipe Load	15000	Ingredient Weight Only%	25
Minimum Premix Load	0	Ingredient Timestamp%	25
Minimum Scale Detect	50	Ingredient Locations	False
Weight Rounding	5	Drop Message Secs	15
Load Done Weight	100	Drop Weight Only%	25
Equipment Number	1	LED Scroll Speed	3




Figure 3.5 Equipment Status Screen

F3 = Log Off

Used to log off the system and return to the **Start Menu** screen.

1. Press the **F3** key to access the log off message.
2. Press [Yes] to log off and return to the **Start Menu** screen.
- 2a. If [No] is pressed, log off will be aborted and return to the **Home** screen.

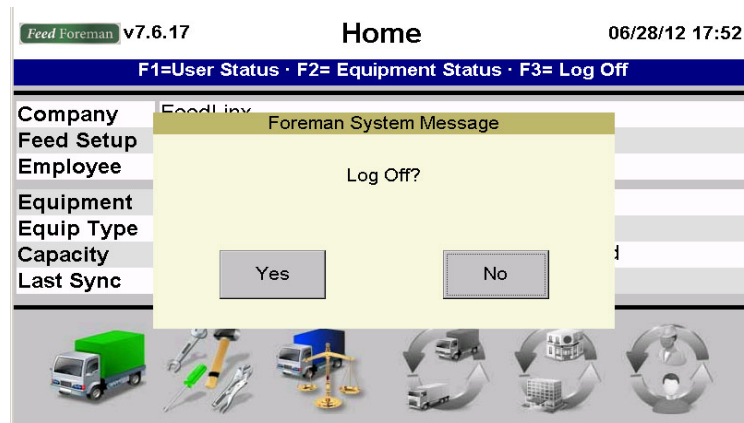


Figure 3.6 Log Off Message Screen

F3 = Escape

Used to exit when in batching process or process of dropping to a pen.



If F3 is pressed, all information of this transaction is lost and NOT recorded.

1. Press the **F3** key to access the Abort Current Load message.
2. Press [Yes] to abort and return to the **Mix Menu** screen.
- 2a. If [No] is pressed, the current mode will be reinstated.

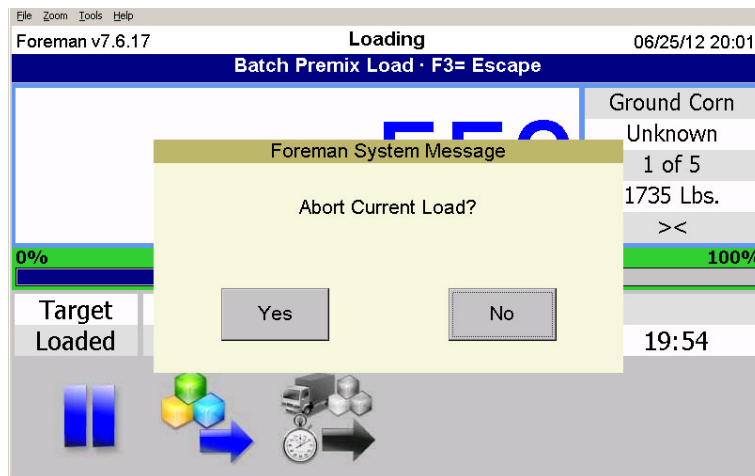






Figure 3.7 Exit Current Load

3.4 Mix Menu

The **Mix Menu** offers four different ways to batch a load.

Batch Premix Load	
Batch by Pen List	
Batch Load by Recipe	
Auto-sizing Batch Load	

1. Press the  button from the **Home** screen to access the **Mix Menu** screen.

- Choose a batch method by pressing the icon. Refer to the following pages regarding the different methods.

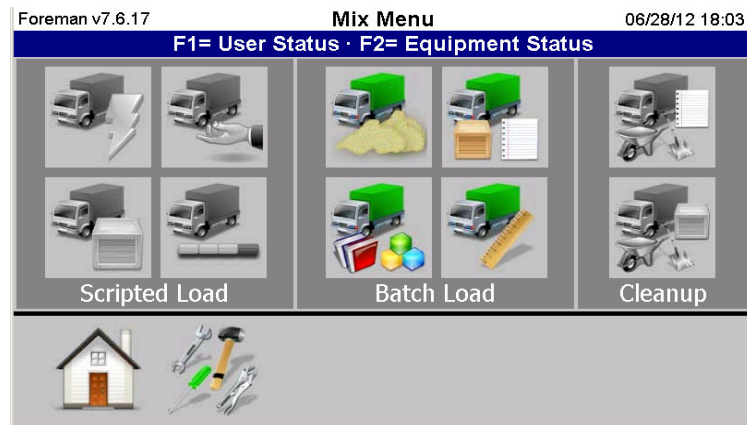



Figure 3.8 Mix Menu Screen

3.4.1 Batch Premix Load

Load a batch of premix, mix and drop the load.



NOTE: Press the **F3** key at any time to escape the **Batch Premix Load** mode. Information will be **LOST AND NOT RECORDED**.

- Press the  button to access the **Batch Premix Load** mode.

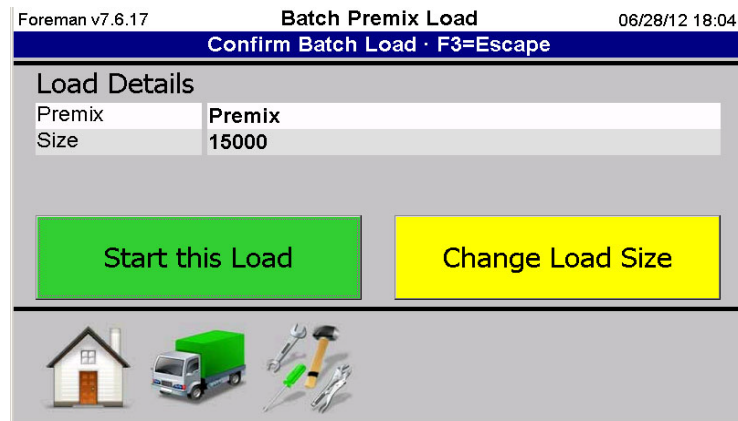


Figure 3.9 Batch Premix Load

Change load size

1. Press the **Change Load Size** button from the **Batch Premix Load** screen.



Figure 3.10 Enter Batch Size Screen

2. Key in the new batch weight and press [Enter].

Start the batch

3. Press the **Start this Load** button from the **Batch Premix Load** screen to start the load.
4. Load all of the ingredients. As each ingredient is loaded the status bar will show the progress. Note that the number is a count down number starting at the target and counting down to 0.

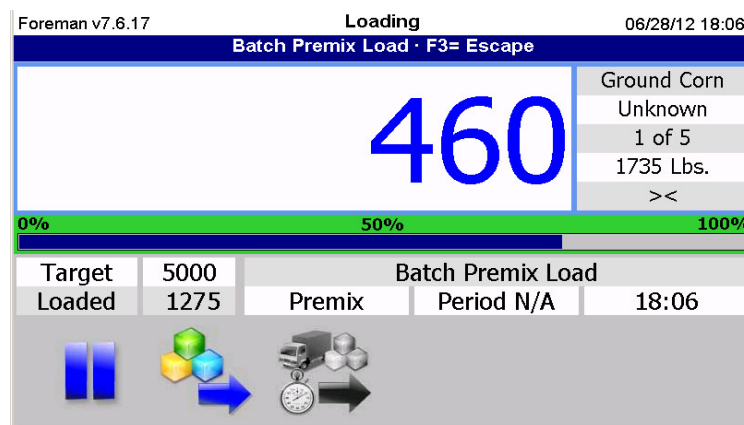



Figure 3.11 Loading Screen

- 4a. Press the  button to advance to another ingredient. Note: once this button is pushed you can not return to any ingredients that are skipped. This step is not needed if the auto-advance function is on.

5. After all of the ingredients are loaded the batch will mix. A timer will count down during the mix cycle if that information was entered into Feed Foreman PC. Note: there can be a mix timer after any or all individual ingredients.

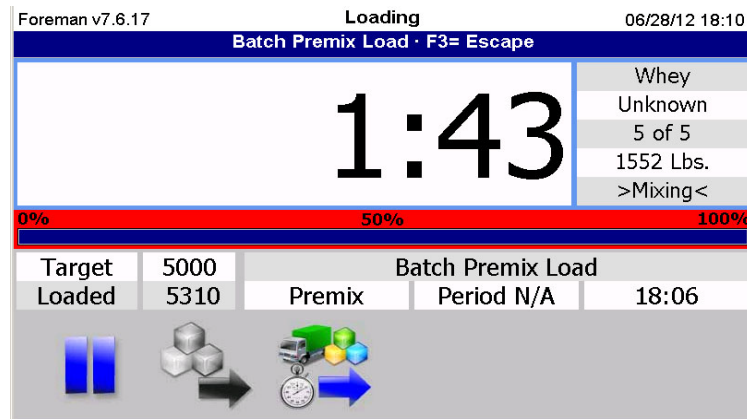



Figure 3.12 Loading Screen

- 5a. Press the  button to skip the mix timer.
6. When the timer reaches zero the batch is mixed and ready to be dropped. Unload the mixer. Location of drop is not recorded because it is assumed the Premix will be used as part of another ration that will then be dropped to individual pens.

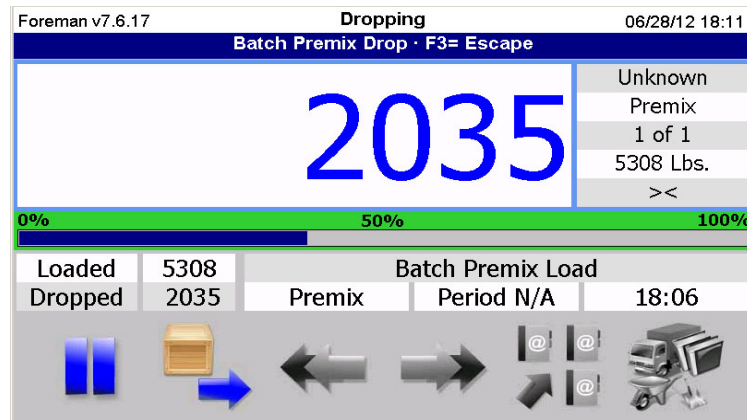




Figure 3.13 Dropping Screen

7. The display will return to the **Mix Menu** when the batch is unloaded.



NOTE: Press the  button to pause ingredient loading or mixing at any time. This is a good practice when moving mixer between different ingredients or pens.




NOTE: Press the  button to skip past the drop. In Premix batch mode this returns you to the home screen and only what has already been dropped is recorded. The rest of the drop will not be recorded.

3.4.2 Batch by Pen List

Start a batch by choosing the recipe and pen(s).



NOTE: Press the **F3** key at any time to escape the **Batch by Pen List** mode. Information will be lost and not recorded.

1. Press the  button from the **Mix Menu** screen to access the **Batch by Pen List** mode.
2. Choose a recipe from the list. Use the forward and back arrow buttons to view all available recipes if the arrows are blue.

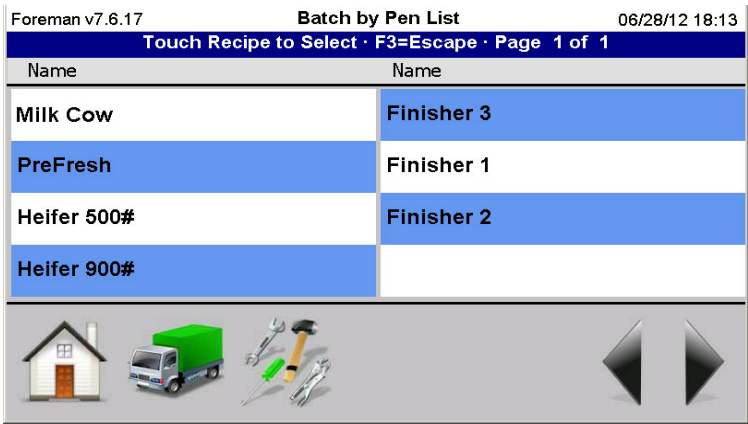



Figure 3.14 Batch by Pen List Screen

3. Choose a pen(s) from the list. Use the forward and back arrow buttons to view all available pens if the arrows are blue. Refer to the **Search for a Pen** section on [page 18](#) for details on pen search.
- 3a. Press the  button to escape pen selection and return to the **Confirm Batch Load** screen.

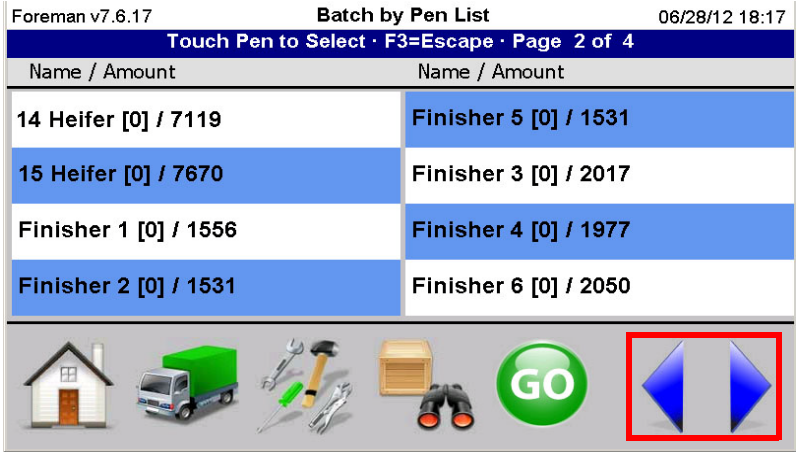

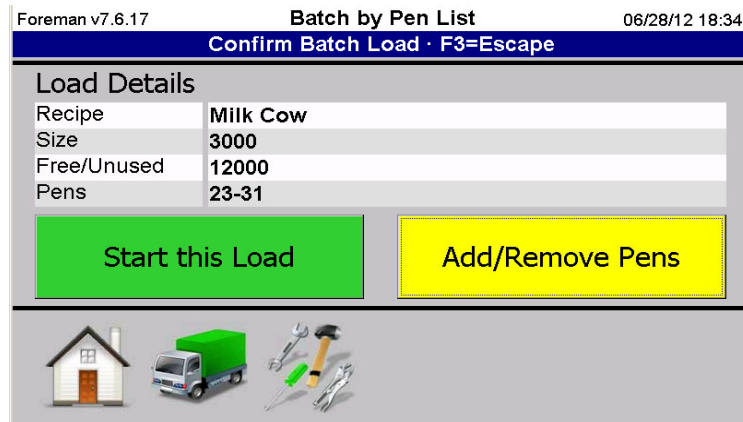


Figure 3.15 Choose a Pen Screen

- 3b. Add another pen(s) or delete pen(s) by pressing the  button. This will bring up the pen list. Select the next pen. After the pen is selected the display will return to the **Confirm Batch Load** screen. Repeat this step for the number of pens to load.

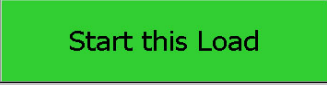



Foreman v7.6.17 **Batch by Pen List** 06/28/12 18:34

Confirm Batch Load · F3=Escape

Load Details

Recipe	Milk Cow
Size	3000
Free/Unused	12000
Pens	23-31




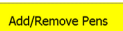
  

Figure 3.16 Confirm Batch Load Screen

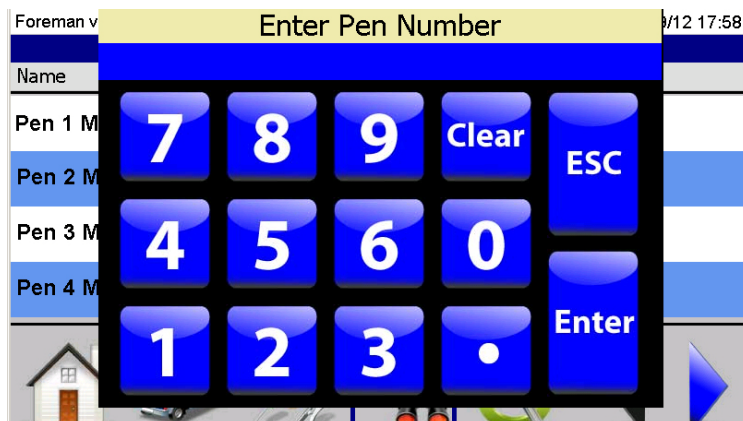
- 3c. When  is pressed:
- If an (X) is displayed next to the load amount, the pen is selected.
 - If an * (asterik) is displayed, there is not enough room to mix the required batch for that pen in the mixer. Thus you are mixing a partial load for that pen if selected.
 - If an (X) or * is not displayed, there is enough room to mix the entire batch for that pen in the mixer.

Search for a Pen

If a pen number is known, use the  button to enter a pen number.

- 3d. Key in the pen number and press [Enter].

Press [Esc] to leave Enter Pen Number keypad and return to the **Batch by Pen List** screen.



Foreman v7.6.17 **Enter Pen Number** 06/28/12 17:58

Name					
Pen 1 M	7	8	9	Clear	ESC
Pen 2 M	4	5	6	0	
Pen 3 M	1	2	3	.	Enter
Pen 4 M					





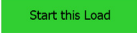
   

Figure 3.17 Enter Pen Number Screen

Start the batch

4. Press the  button from the **Batch by Pen List** screen to start the load.
5. Load all of the ingredients. As each ingredient is loaded the status bar will show the progress. Note that the number is a count down number starting at the target and counting down to 0.

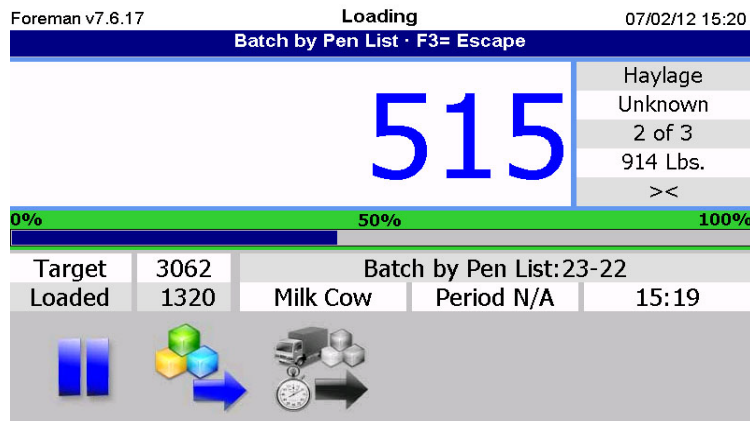



Figure 3.18 Loading Batch by Pen List Screen

- 5a. Press the  button to advance to another ingredient. Note: once this button is pushed you can not return to any ingredients that are skipped.
6. After all of the ingredients are loaded the batch will mix. A timer will count down during the mix cycle if that information was entered into Feed Foreman PC. Note: there can be a mix timer after any or all individual ingredients.

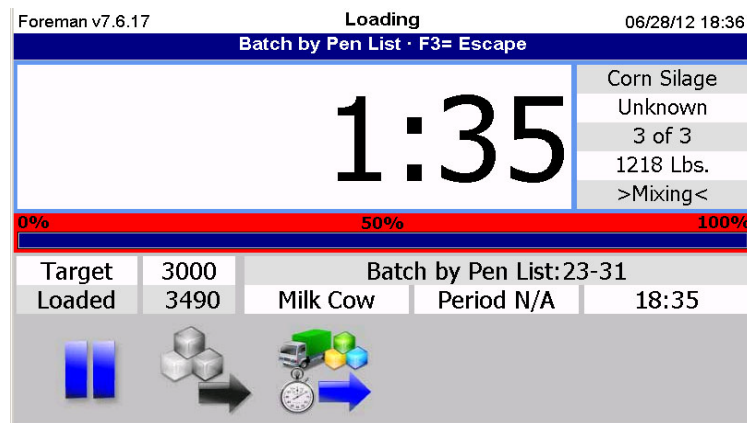


Figure 3.19 Mix Timer Screen

- 6a. For all batches the auto advance parameters for individual ingredients can be set or turned off completely in Feed Foreman PC which implements the manual advanced function.

7. Dispense the load to the pen(s). The number will be determined by information entered into Feed Foreman PC based on head count, feedings per day and target DMI.

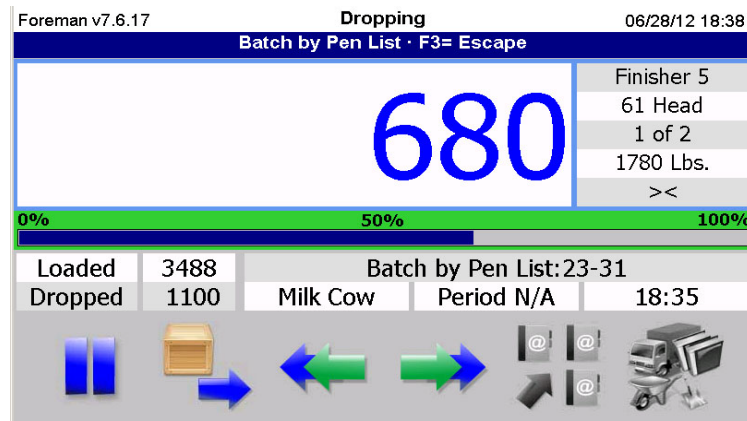




Figure 3.20 Dispense the Load

- 7a. The dump order will be in the order of pens selected. For example: if you pick pen 7 and then pen1, pen 7 will come up as the first option for delivery. Use the  button to select other pens for a different drop ordered than the original pen selection order.

- 7b. Press the  button to exit the drop completely and return to the main menu. What you have dropped to that point will be recorded. Any remaining feed in the mixer will not be recorded.



NOTE: You can exit to scale mode to see how much you are feeding a pen if you accidentally press this button and have to split the remaining amount between two pens.

3.4.3 Batch Load by Recipe

Load and mix a preset recipe.

1. Press the  button from the **Mix Menu** screen to access the **Batch Load by Recipe** mode.

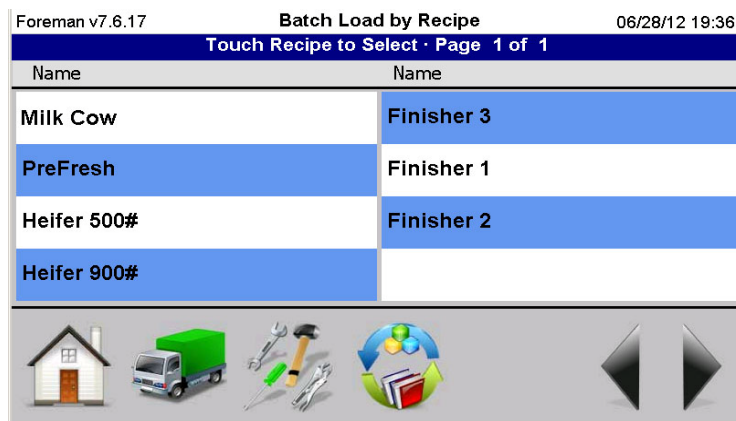


Figure 3.21 Batch Load by Recipe Screen

2. Choose a recipe to load.

Start the batch


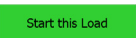
3. The default load size is the max mixer capacity entered into the Feed Foreman PC program. Change the load size by pressing the  button. Refer to [Figure 3.23](#).
- 3a. Enter the new batch size and press the [Enter] button.



Figure 3.22 Enter New Batch Size Screen

4. Press the  button from the **Confirm Batch Load** screen to start the load.

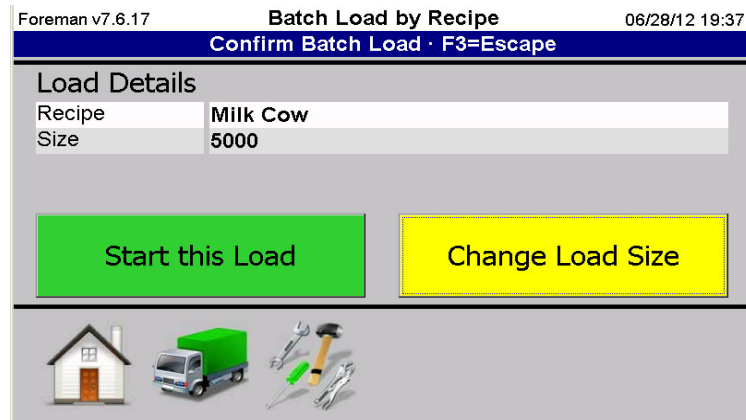


Figure 3.23 Confirm Batch Load Screen

5. Load all of the ingredients. As each ingredient is loaded the status bar will show the progress. Note that the number is a count down number starting at the target and counting down to 0.

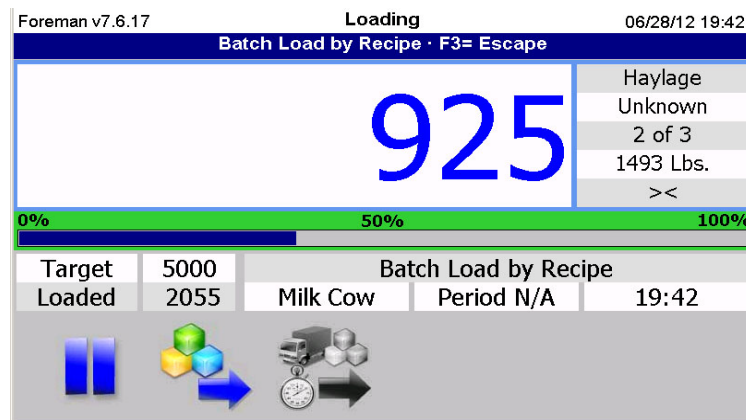



Figure 3.24 Loading Screen

- 5a. Press the  button to advance through the ingredients. Note: once this button is pushed you can not return to any ingredients that are skipped.

6. After all of the ingredients are loaded the batch will mix. A timer will count down during the mix cycle if that information was entered into Feed Foreman PC. Note: there can be a mix timer after any or all individual ingredients.

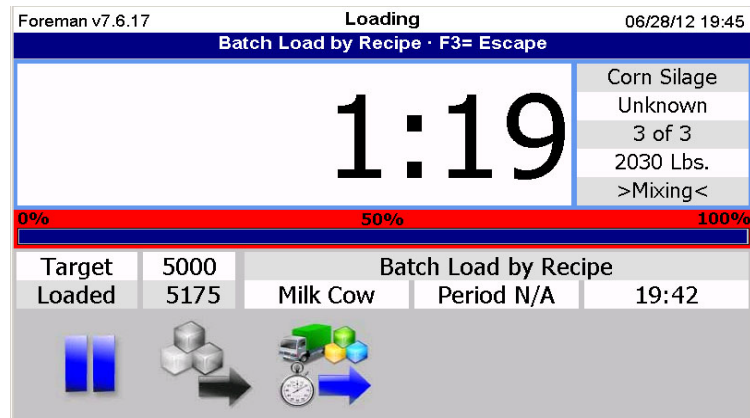



Figure 3.25 Mix Timer

- 6a. The  advances through the mix timer.
7. After the batch has been mixed, choose a pen to drop the load to.

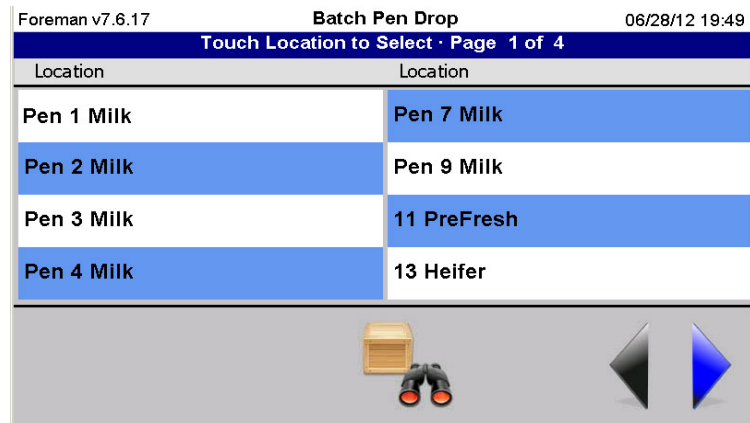


Figure 3.26 Batch Pen Drop Screen

8. Drop the load to the specified pen. The scale starts at zero. Once the target weight is reached, you can select another pen to drop or leave drop mode (refer to steps 8a and 8b).

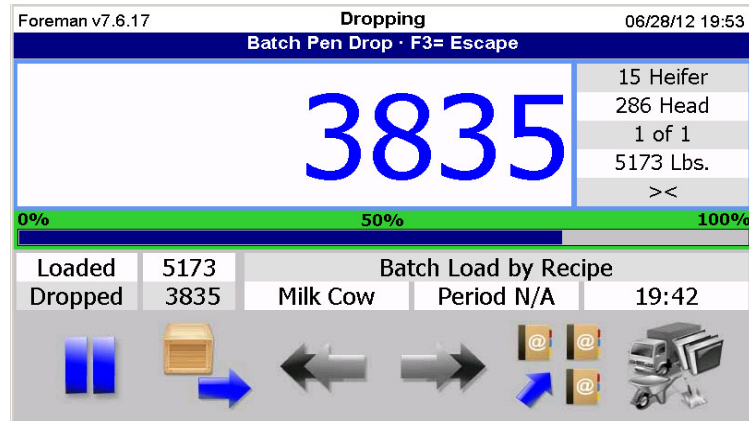




Figure 3.27 Pen Drop Screen

- 8a. Drop to multiple pens by pressing the  button.
- 8b. Press the  button to exit the drop completely and return to the main menu. What you have dropped to that point will be recorded. **Any remaining feed in the mixer will not be recorded.**




NOTE: You can exit to scale mode to see how much you are feeding a pen if you accidentally press this button and have to split the remaining amount between two pens.

3.4.4 Auto-sizing Batch Load

Any ingredient used in a recipe entered into the Feed Foreman PC program can be an Auto-size ingredient regardless of the mixing order. The recipe will automatically adjust the amounts of the other ingredients based on target DMI entered into Feed Foreman PC and the amount of the Auto-size ingredient loaded into the mixer.



NOTE: Any feed dropped to a pen using Auto-size is reported in Feed Foreman PC but is not taken away from what needs to be fed in the batch by pen mode.

1. Press the  button to access the **Auto Sizing Batch Load** mode.

2. Choose whether to load the Auto-sized ingredient.



Figure 3.28 Load Auto-size Ingredient Screen

Yes

1. Select an ingredient to load. Only ingredients used in recipes that have been entered into the Feed Foreman PC package are available.

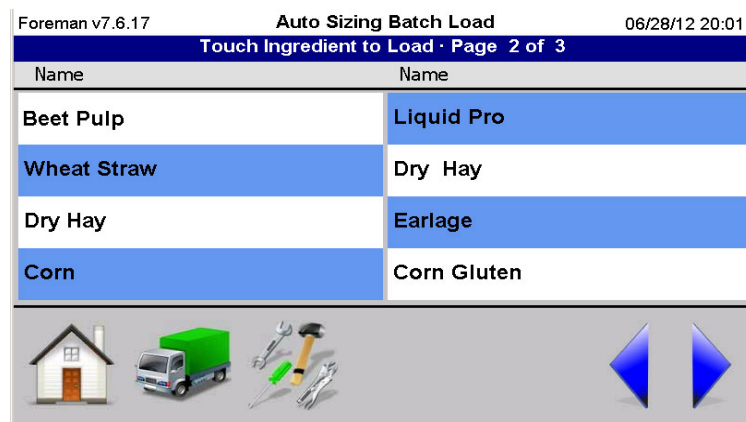


Figure 3.29 Select Ingredient Screen

2. Select the recipe to load. Only recipes that use the selected Auto-sized ingredient will appear.

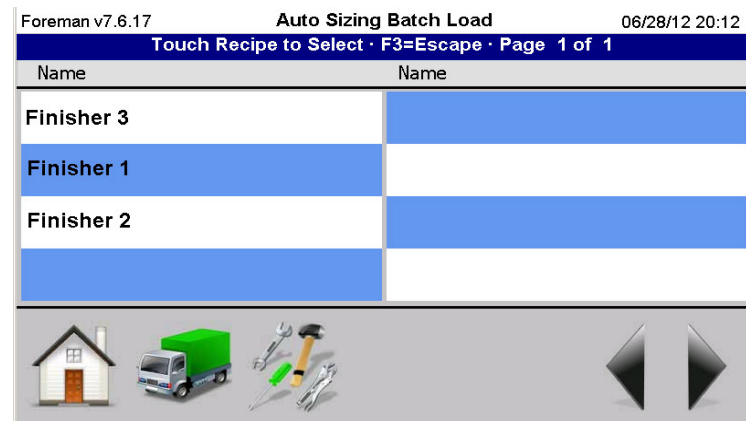


Figure 3.30 Select Recipe Screen

Start the batch

3. The default load size is the max mixer capacity entered into the Feed Foreman PC program. Change the load size by pressing the **Change Load Size** button. Refer to [Figure 3.31](#).
- 3a. Enter the new batch size and press the [Enter] button.



Figure 3.31 Enter New Batch Size Screen

4. Press the **Start this Load** button from the **Auto Sizing Batch Load** screen to start the load.
- 4a. Enter in target load size. The actual load size will be determined by actual amount of selected Auto-size ingredient that is loaded.

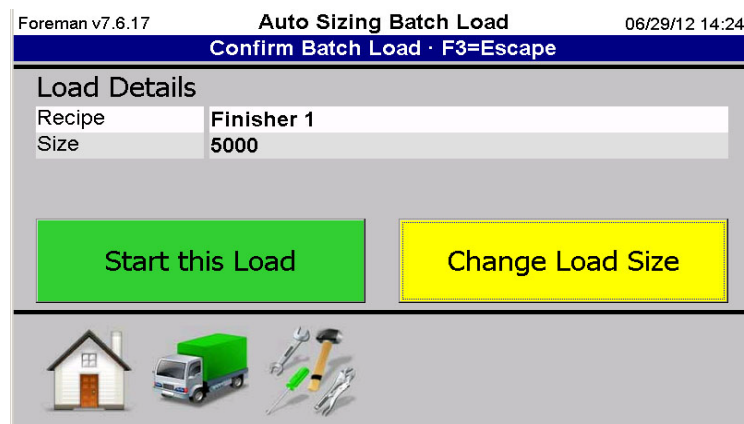


Figure 3.32 Confirm Batch Load Screen

5. Load the Auto-size ingredient.

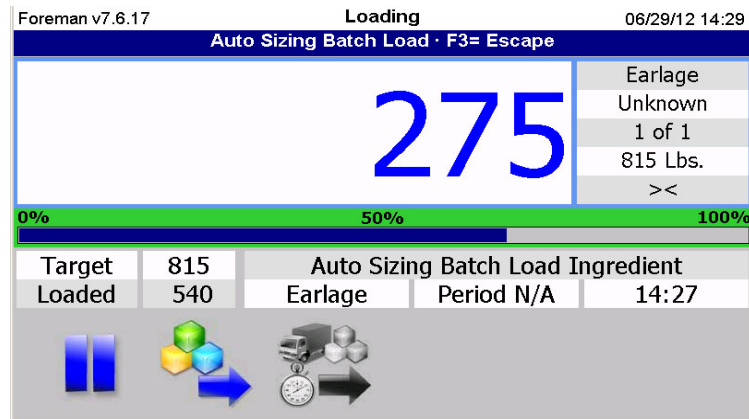



Figure 3.33 Load Auto-size Ingredient Screen

6. Press the  button to advance to the next ingredient. If you do not have enough of the Auto-size ingredient to reach the target weight. Note: once this button is pushed you can not return to any ingredients that are skipped.
7. The remaining ingredient amounts in the batch will be adjusted to hit the recipe target DMI based on the amount of the Auto-sized ingredient that has been loaded.

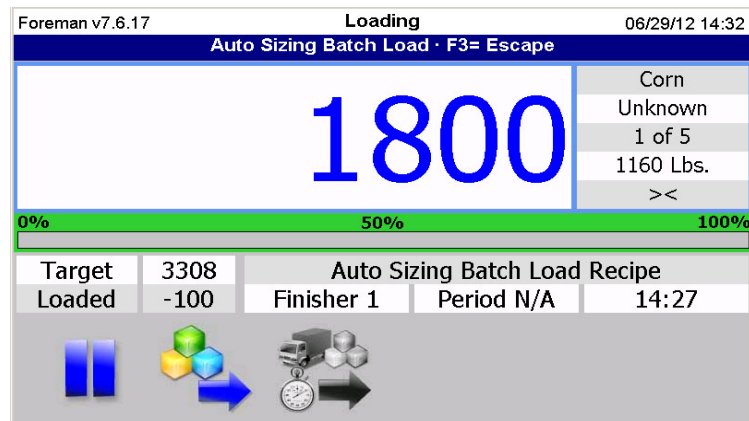


Figure 3.34 Remaining Ingredients



NOTE: Any timers after ingredients or recipe are still active.

8. Select a pen to unload the batch to.

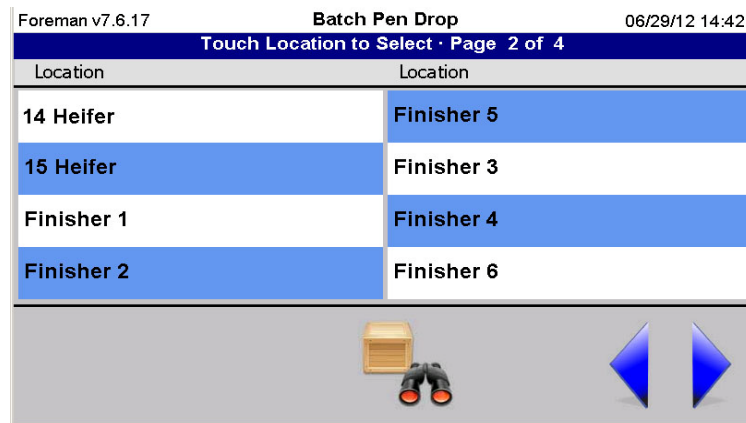


Figure 3.35 Select a Pen Screen

9. Drop the load to the specified pen. The scale starts at zero. Once the target weight is reached, you can select another pen to drop or leave drop mode (refer to steps 8a and 8b).

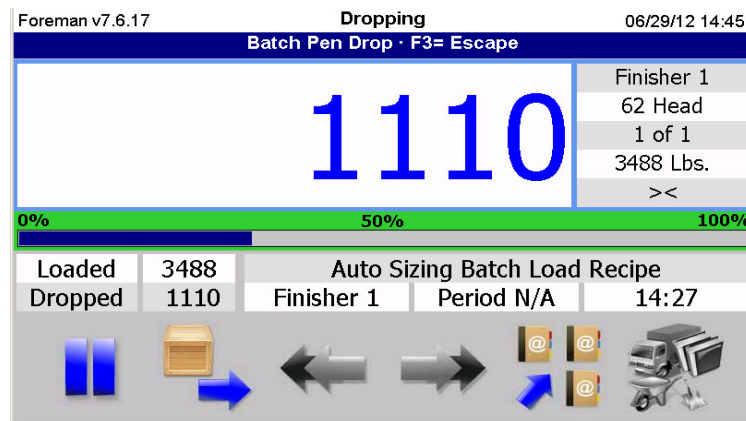




Figure 3.36 Pen Drop Screen

- 9a. Drop to multiple pens by pressing the  button.


- 9b. Press the  button to exit the drop completely and return to the main menu. What you have dropped to that point will be recorded. **Any remaining feed in the mixer will not be recorded.**



NOTE: You can exit to scale mode to see how much you are feeding a pen if you accidentally press this button and have to split the remaining amount between two pens.

3.5 Adjustment Menu

Adjust pen counts, view pen count history and adjust ingredient dry matter.

From the **Mix Menu** screen press the  button to access the **Adjustments Menu** screen.

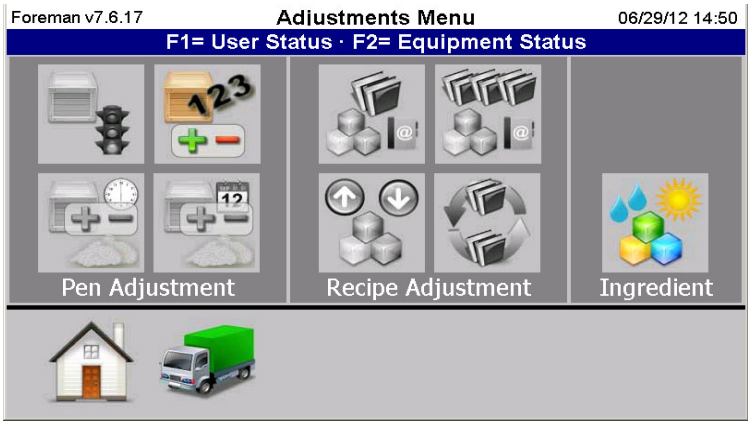



Figure 3.37 Adjustments Menu Screen

3.5.1 Adjust Pen Counts

Change pen head counts.

1. Press the  button to access the **Adjust Pen Counts** screen.


Foreman v7.6.17		Adjust Pen Counts		06/29/12 14:51	
Touch Pen to Modify · Page 1 of 8					
Name		Pen ID		Count	
Pen 1 Milk		1		90	
Pen 2 Milk		2		90	
Pen 3 Milk		3		90	
Pen 4 Milk		4		89	
					

Figure 3.38 Adjust Pen Counts Screen

2. Select the pen in which the head count will be changed.

- Enter the new pen count and press [Enter]. Press [Esc] to cancel the entry.

Figure 3.39 Enter Pen Count Screen



NOTE: The head count change will automatically adjust rations to new head count when batching by pen. The change will not show up in history until the information is downloaded into Feed Foreman PC and reloaded into Feed Foreman.

3.5.2 View Pen History

View the history of a specific pen.

- From the **Adjust Pen Counts** screen, press the  button.

Foreman v7.6.17		Adjust Pen Counts	06/29/12 14:55
Touch Pen for History · Page 1 of 8			
Name	Pen ID	Count	
Pen 1 Milk	1	90	
Pen 2 Milk	2	90	
Pen 3 Milk	3	90	
Pen 4 Milk	4	89	




Figure 3.40 Adjust Pen Counts Screen

- 1a. Touch the desired pen to view the history.

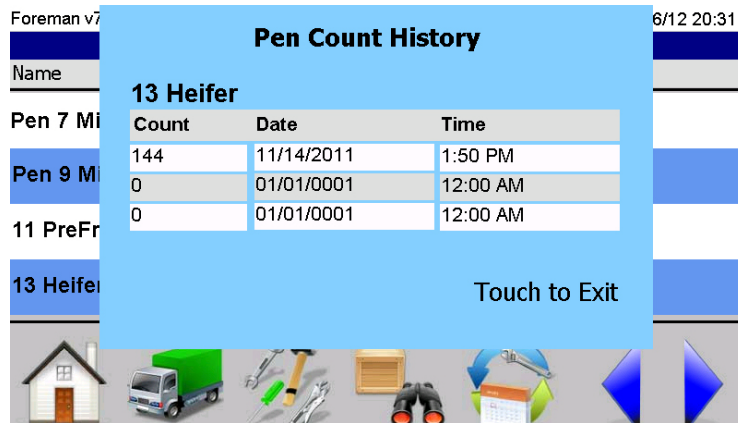



Figure 3.41 Pen Count History

- 1b. Use the forward and back arrows to find the pen if necessary
2. Touch the **Pen Count History** screen to exit.
3. Press the  button to return to **Adjust Pen Counts** screen.

3.5.3 Adjust Ingredient Dry Matter

Change the dry matter value of an ingredient.

1. From the **Mix Menu** screen press the  button. The **Adjustments Menu** screen will be accessed.

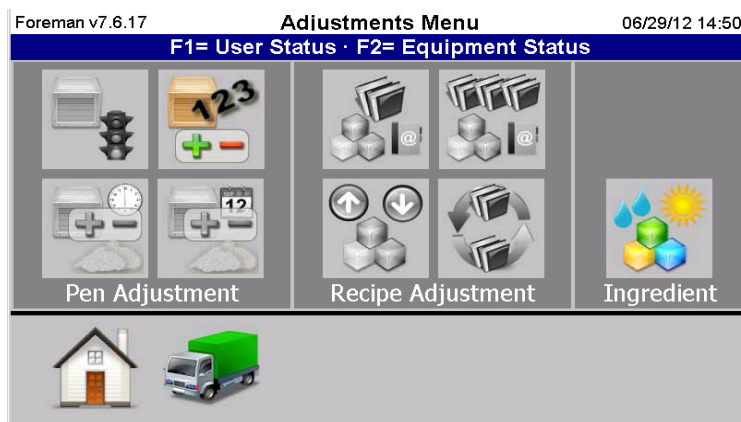



Figure 3.42 Adjustments Menu Screen

2. Press the  button to access the **Adjust Dry Matter%** screen.

Foreman v7.6.17		Adjust Dry Matter%	06/29/12 15:11
Touch Ingredient to Modify · Page 1 of 5			
Name	Location	DM%	
Beet Pulp	Unknown	90.00	
Corn	Unknown	84.50	
Corn Gluten	Unknown	40.50	
Corn Silage	Unknown	30.00	

Figure 3.43 Adjust Dry Matter% Screen

3. Select an ingredient. Use the forward and back arrow buttons to advance to the next or previous page of ingredients if the arrows are blue.
4. Enter the new dry matter % value and press [Enter].

Foreman v	Enter Dry Matter% for Corn Silage		7/12 13:33		
Name	25				
Beet Pu	7	8	9	Clear	ESC
Corn	4	5	6	0	
Corn Gl	1	2	3	.	Enter
Corn Si					

Figure 3.44 Enter Dry Matter% Screen

- 4a. Press [Esc] to cancel the entry. An Invalid Entry message will be displayed, press [OK]. The display will return to the **Adjust Dry Matter%** screen.

Foreman v7.6.17	Adjust Dry Matter%	07/20/12 14:05
Processing... Stand By		
Name	Location	DM%
Beet Pulp	Unknown	90.00
Corn	Unknown	84.50
Corn Gluten	Unknown	40.50
Corn Silage	Unknown	30.00

Foreman System Message

Invalid Entry

OK

Figure 3.45 Invalid Entry Message

- 4b. If the adjustment is more than a 5% difference, a system message will appear on the display.

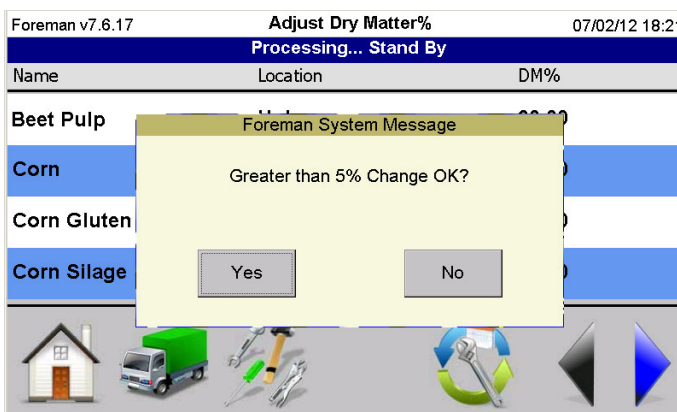


Figure 3.46 Great than 5% Change Message



NOTE: DM change will automatically start adjusting rations. The change will not show up in history until the information is down loaded into Feed Foreman PC and reloaded into Feed Foreman.

3.5.4 View Adjust Dry Matter% History

View the history.

1. From the **Adjust Dry Matter%** screen, select the pen to view and press the



button.


Foreman v7.6.17 Adjust Dry Matter% 06/29/12 15:12		
Touch Ingredient for History · Page 1 of 5		
Name	Location	DM%
Beet Pulp	Unknown	90.00
Corn	Unknown	84.50
Corn Gluten	Unknown	40.50
Corn Silage	Unknown	30.00

Figure 3.47 Adjust Dry Matter% Screen

2. Select an ingredient to view.

Foreman v7	Ingredient Dry Matter History			7/12 13:50
Name	Ground Corn			
Dry Prot	DM%	Date	Time	
Earlage	86.00	11/14/2011	1:04 PM	
Ground	84.00	11/14/2011	1:14 PM	
Haylage	0.00	01/01/0001	12:00 AM	
Touch to Exit				
				

Figure 3.48 Ingredient Dry Matter History Screen

3. Touch the **Ingredient Dry Matter History** screen to exit.
4. Press the  button to return to **Adjust Pen Counts** screen.

4 Import and Export Data

Import and export data between the Model 3060 and the Feed Foreman PC program.

4.1 Delete Files from New USB Flash Drive

The Kingston USB flash drive comes preloaded with files that need to be deleted before it can be used with the Feed Foreman PC software. Otherwise an error message will be displayed. Follow the steps below to delete the files and data.

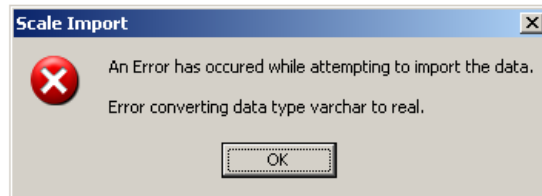


Figure 4.1 Files not Deleted Error Screen

1. Insert the USB flash drive into an available USB port on the PC.
2. Go to Window's explorer and find the USB flash drive. The files will be on the screen.

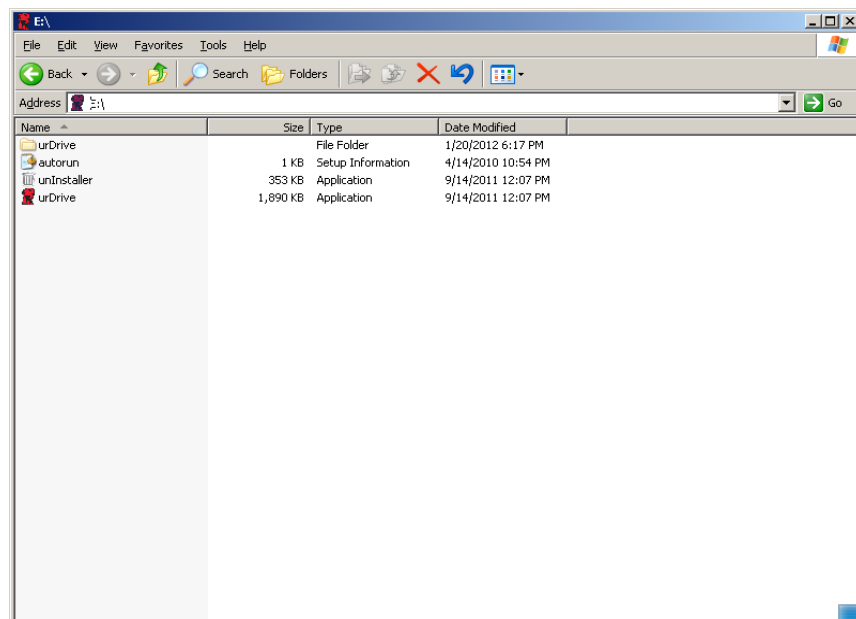


Figure 4.2 USB Flash Drive Files in Explorer

3. Delete the files by highlighting them and click the red X on the upper tool bar.

4. A message will be displayed asking if you want to delete the files. Click **Yes** to delete.

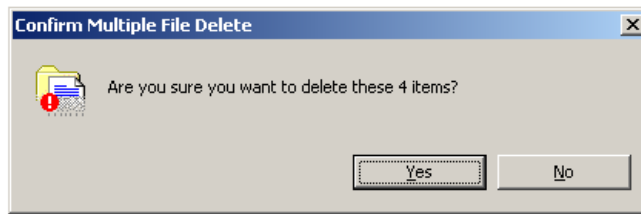


Figure 4.3 Confirm File Deletion Screen

5. A window will show the progress of the file deletion.

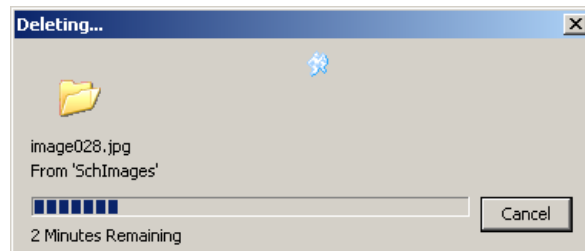


Figure 4.4 File Deletion Progress Screen

6. When the files are deleted, the file window should be empty.

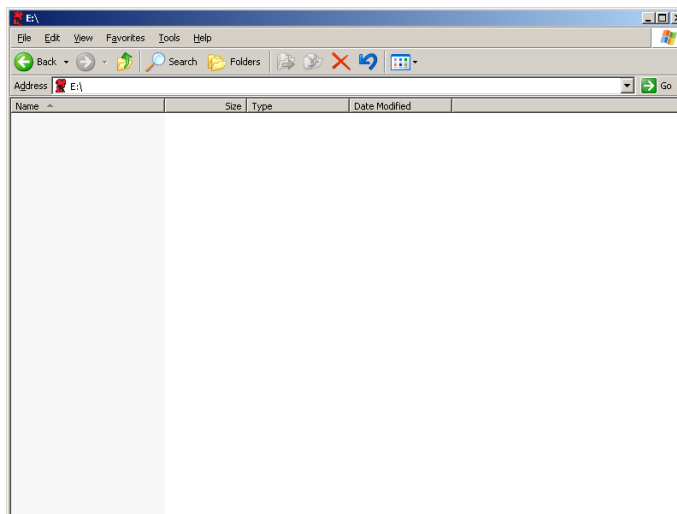


Figure 4.5 USB Flash Drive File Window

4.2 Importing Feed Data from Feed Foreman PC

Transfer feed data to the Model 3060.

1. Export the data from Feed Foreman PC onto a USB flash drive.
2. Insert the flash drive into the USB port of the Model 3060.

3. A USB flash drive graphic will appear on the display with a red stop sign icon while the data is loading.

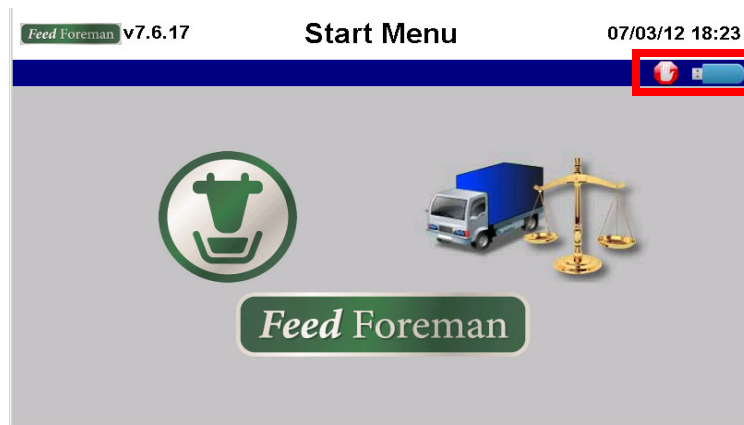


Figure 4.6 Data Loading from Flash Drive Screen

4. Once the data is loaded into the Model 3060, a green check mark will appear. It is safe to remove the flash drive from the USB port.

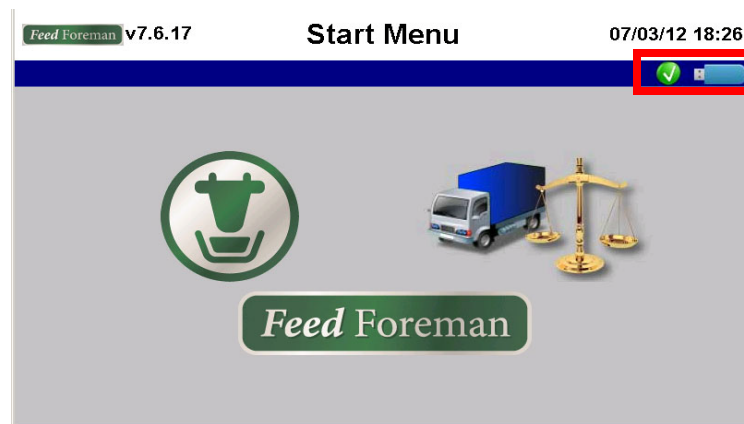


Figure 4.7 Data Loaded from Flash Drive Screen

5. If any transactions have been completed prior to the Feed Foreman PC download they will now be uploaded onto the USB flash drive. **Be sure to import these into Feed Foreman PC so they are not lost.**

4.3 Exporting 3060 Feed Foreman Data to Feed Foreman PC

With the Feed Foreman PC software package loaded on your PC, all feed data is transferred from the Model 3060 to the PC via a USB flash drive.

Establish a regular schedule of downloading from the Model 3060 to Feed Foreman PC. The memory capacity is limited from several days to a week of transactions depending on how many batches are done per day. Once the Feed Foreman does not have enough memory, the oldest batches/feedings will be overwritten. To avoid this from happening, it is a good practice to transfer data on a daily/every other day basis.

Follow the steps below to export this data.



Be sure to upload the information into Feed Foreman PC prior to downloading any new changes from Feed Foreman PC. Downloading from Feed Foreman PC prior to downloading the Feed Foreman file to Feed Foreman PC will cause the information to be lost.

1. Insert a USB flash drive into the USB port of the Model 3060, which is located on the right side while viewing the display.
- 1a. If data is available for download from the scale, a USB flash drive graphic will appear on the display with a red stop sign icon.

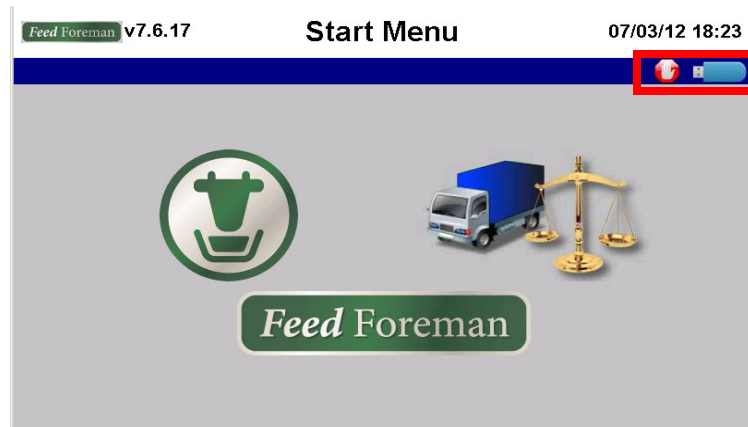


Figure 4.8 Data Loading from Flash Drive Screen

2. Once the data is loaded onto the flash drive, a green check mark will appear. It is safe to remove the flash drive from the Model 3060 USB port.

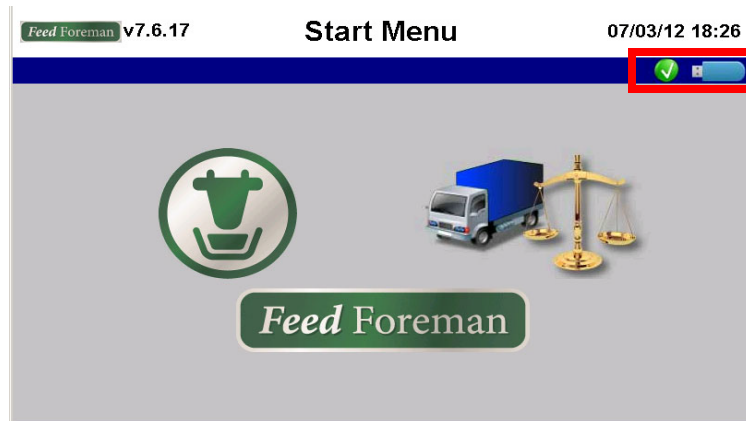


Figure 4.9 Data Loaded from Flash Drive Screen

3. Open the Feed Foreman PC program on your PC.
4. Insert the USB flash drive into an available USB port on the PC.
5. Follow the instructions in the Feed Foreman PC program.

5 Update Feed Foreman Software

Load an updated version of the Feed Foreman software.



Prior to loading an updated version of the Feed Foreman software, be sure to download all Feed Foreman transaction files and load them into Feed Foreman PC. If the transaction files are not downloaded they will be lost upon the installation of the updated data from Feed Foreman PC.

5.1 Load New Software

1. Copy the new program file onto a USB flash drive.
2. Prior to uploading new Feed Foreman updates, power off the indicator.
3. Turn on the indicator and hold in the **F2** key until the hour glass appears.
4. The **Run program** screen appears. It should show the minimum of three items below. Additional applications like Field Foreman that are loaded will also appear.
 - Feed Foreman.exe
 - M3060 standard application
 - explorer.exe.

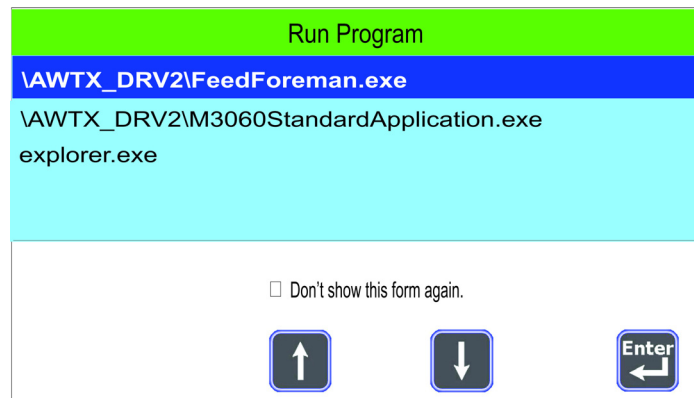


Figure 5.1 Run Program Screen

5. Insert a USB flash drive with the update version of Feed Foreman into the USB port of the Model 3060.

6. Select the correct file on the screen.

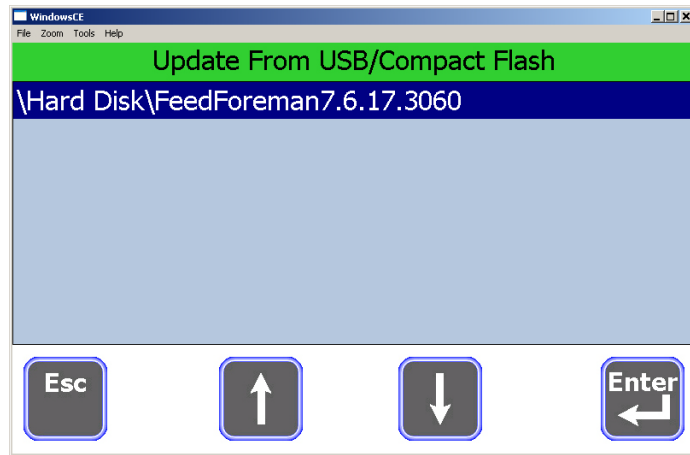



Figure 5.2 Select File to Upload Screen

7. Press . The update will load automatically.

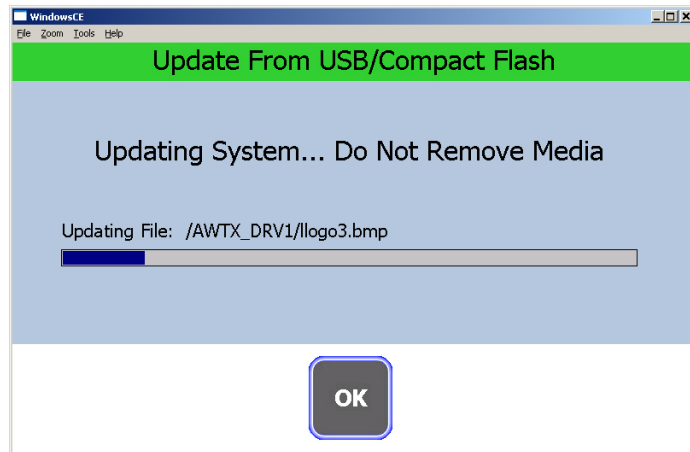



Figure 5.3 File Upload in Process Screen

8. **Do not** press  until *download is complete* is displayed.

5.2 Loading Errors

1. While loading the software update the following screen may appear.

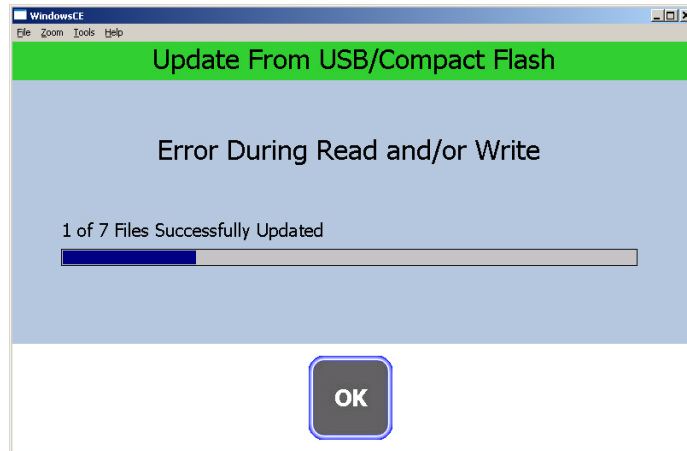



Figure 5.4 Upload Error Screen

2. Press . The Model 3060 will turn off.
3. Repeat the **Load New Software** procedure from section [5.1](#).

6 Settings

Although the Model 3060 indicator offers many settings, the primary settings that may need to be changed to suit a particular mixer are located under the **Scale** portion of the setup menu. Be sure to change only the settings that apply to this application.

6.1 Suggested Settings

Below are suggested filter and motion settings for a mixer. Refer to the Model 3060 User Manual or section 6.2 of this manual for instructions on how to access the setup mode and parameters for settings.

The goal is to find a setting where all parameters stay the same except for one when customizing the settings to your preferences.

In this case all the parameters stay the same but the Constant. The Constant is simply adjusted up and down from 4. If the weight is moving too slowly go down to 3. If the weight is moving too fast bump the constant up to 5.

6.1.1 Filter

Below are suggested default settings for filter.

- Averages: 80
- Filter Type: Filter2
- Constant: 4 (Start with 4 and adjust as needed. Most mixers sweet spot is 4,5, or 6)
- Threshold: 0

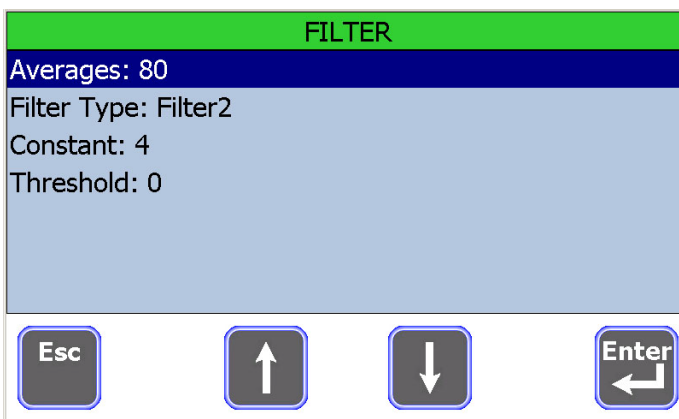


Figure 6.1 Example of Filter Settings

6.1.2 Motion/Zero

Below are suggested default settings for motion/zero.

- Motion Window (Divisions): 5
- Motion Time (Seconds): 1
- AZT Window: 0
- AZT Time: 0
- Motion Blanking: Off



Figure 6.2 Example of Motion/Zero Settings

6.2 Access the Setup Manager Menu

1. Press and hold **F1** for approximately five seconds.
2. Release **F1** when the screen below appears.

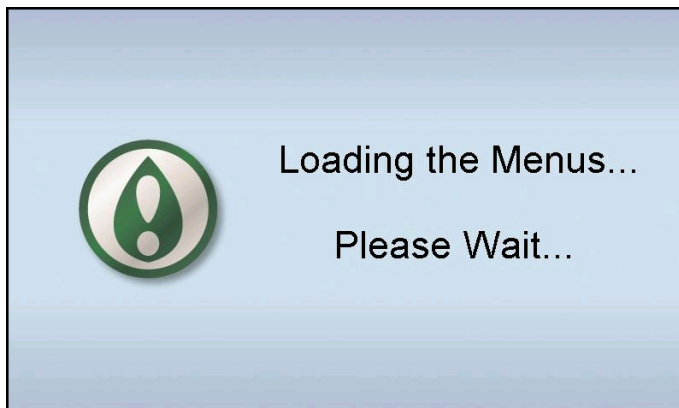


Figure 6.3 Loading Menus Screen



3. Key in 0603 and press .



Figure 6.4 Access Code Entry Screen



NOTE: Press the  key to back up one screen or exit an entry.

4. The **Administration Management** screen will be displayed with **Setup Manager** highlighted in blue.

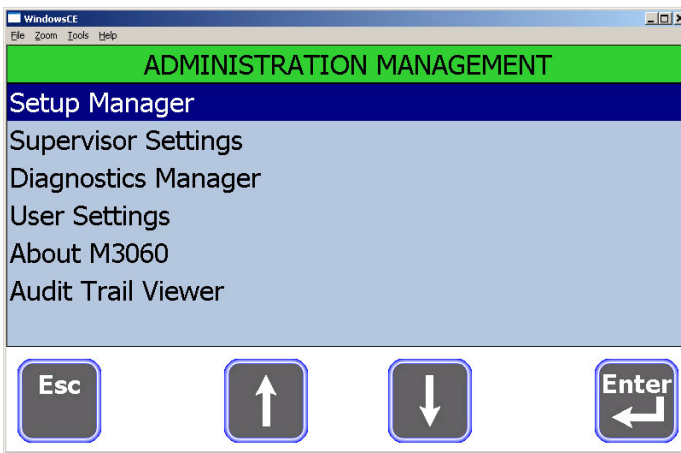


Figure 6.5 Administration Management Screen

5. Press  to access **Setup Manager** menu below.

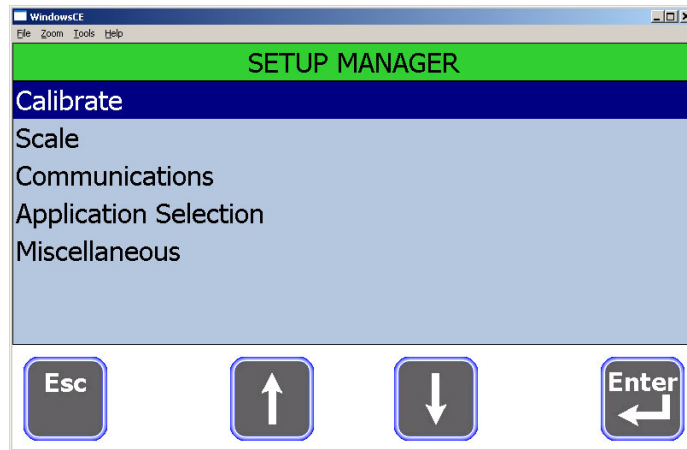


Figure 6.6 Setup Manager Screen

6. Press **Scale** to access Scale Menu below.

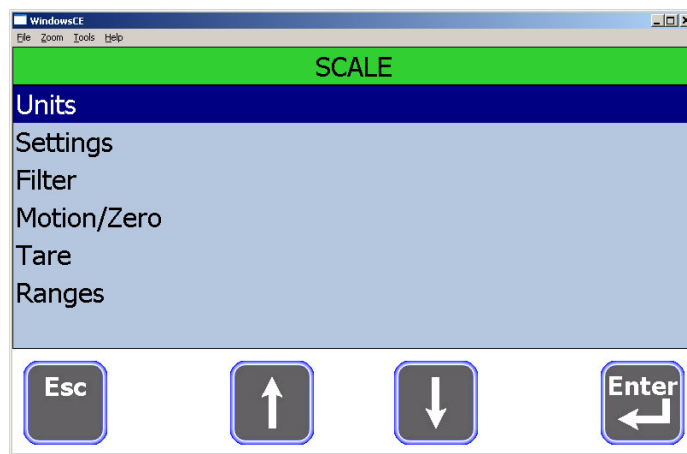


Figure 6.7 Scale Menu Screen

6.3 Scale Menu

7. Press **Filter** or **Motion/Zero** depending on which values need to be changed.

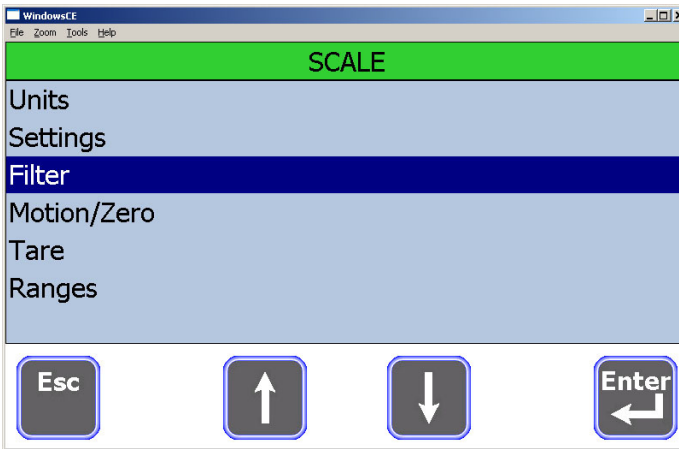


Figure 6.8 Filter Screen

6.3.1 Change Parameter Values

8. Press the desired parameter.

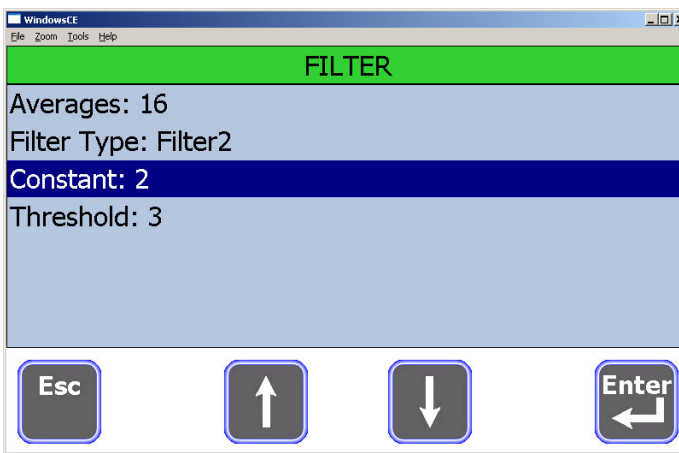


Figure 6.9 Select Parameter Screen

9. A numeric keyboard will be displayed. Refer to section 6.1.1 for suggested settings for **Filter** or section 6.1.2 for **Motion/Zero**.



Figure 6.10 Enter Parameter Value Screen

10. Key in the new parameter value and press .

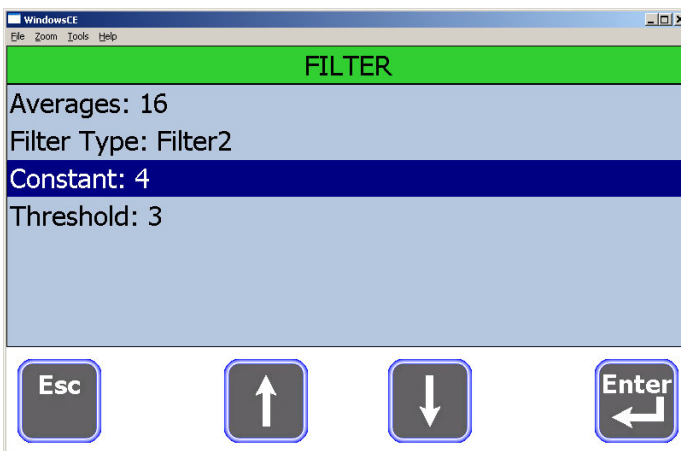



Figure 6.11 New Value Entered Screen

11. Repeat steps 8 - 10 until all necessary values have been changed.

6.4 Save Changes

Any changes made to setup parameters must be saved before the changes will take affect.

12. Press the  until the *Save Changes* prompt is displayed. Depending where you are in the menu, this could take several times.

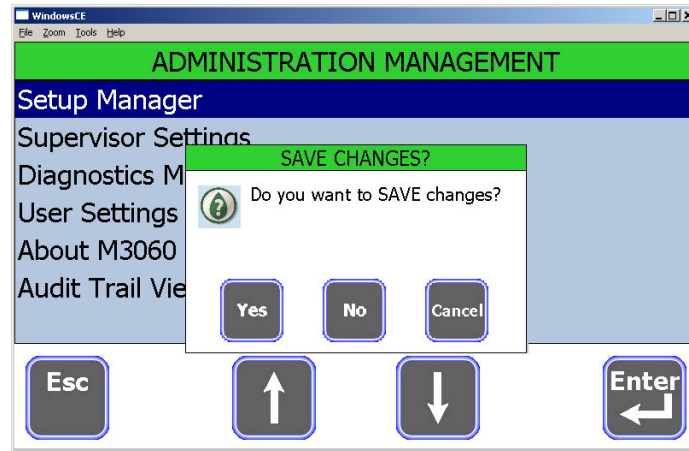


Figure 6.12 Save Changes Screen

13. Press **Yes** to save the changes or **No** to exit without saving.



To access manuals on
the Ag website

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